

REMARKS:

The purposes of the claim limitations are, as follows:

1. The wire shaft is self-supporting (FIG. 1.). This distinguishes from Hahn, et al who utilize a tubular support 7a and a sleeve enclosing an unbalanced mass 5; the sleeve contacts the inner wall of the shank 3.
2. Since Applicant's wire shaft is self-supporting, the weight 1330 effects both a rotational and lateral movement (page 12, lines 9, 10). This distinguishes from Hahn, et al who describe only a lateral and longitudinal movement.
3. The wire shaft is isolated from the interior wall of the neck portion. This distinguishes from both Bock and McDougall who provide a sleeve support which contacts the inner wall of the neck portion.
4. The neck portion and handle components form a contact-abutting and removable connection; claim 12 specifically covers a threaded engagement between the neck portion and handle components (see FIGS. 7, 8 & 9). This distinguishes from Hahn, et al who utilizes a rubber ring connection between the above-two components, which dampens movement of the wire shaft.
5. Operation of the device is at a resonant sonic frequency; this yields significantly more energy than state-of-the art devices, including Hahn, et al and McDougall.

6. Additionally, claim 13 covers a resonant operational frequency range as being from 10,000 - 17,500 cpm as disclosed on page 13, lines 15, 16.

7. Cancelled claims 2 - 5 have been incorporated into claim 1, and hence, a more practical device is described.

THE REFERENCES:

U.S. PATENT 5,247,716 TO HAHN, ET AL:

The Hahn, et al patent discloses a vibrating wire shaft which is supported by a tubular component 7a, and also a sleeve which contacts the inner sidewall 3. An object of the Hahn, et al patent is to provide a damping or decoupling in the direction towards of the handle. A damping effect is also provided by a rubber coupling ring 8. Hahn's damping embodiment is disclosed on page 4, paragraph 7.

By contrast, Applicant's wire shaft is specifically described as A. being unsupported; B. being isolated from the neck portion; C. the connection between the neck and handle is described as "abut and directly contact the handle"; and, D. producing a resonant frequency effect which results in a greater energy production. These foregoing limitations would preclude the damping effect described by Hahn, et al, and by McDougall, as noted, infra.

Page 5.

U.S. Serial No.: 10/603,902

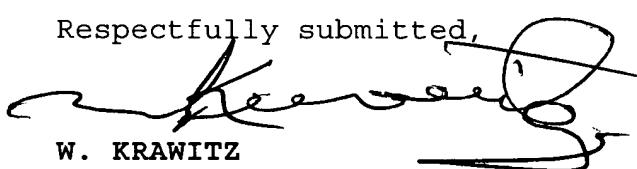
U.S. PATENT 6,421,865 TO McDougall:

This patent simply discloses the general type of wire shaft which is prevalent in the industry and which is secured within the neck portion and which would result in a damping effect, rather than a resonant frequency effect.

A sample of Applicant's production prototype is enclosed herewith and illustrates not only the function of the device, but also the instant claim limitations.

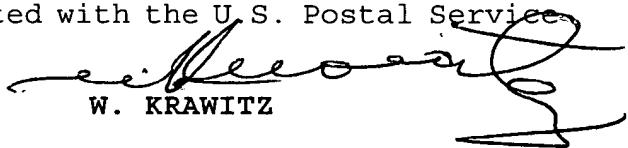
MARCH 18, 2005  
DATED

Respectfully submitted,

  
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This will certify that this amendment, extension of time request, extension fee, appointment of agent, and two (2) samples were placed in an envelope addressed to MAIL STOP AMENDMENT - FEE, Commissioner for Patents, P.O. Box 1450, Arlington, Virginia 22313-1450, with sufficient postage as first class mail and deposited with the U.S. Postal Service on March 18, 2005.

MARCH 18, 2005  
DATED

  
W. KRAWITZ